

CLAIMS

1. A pressure assisted dual flush operating system comprising:
5 a vessel for receiving, containing and discharging pressurized water, said vessel having an outlet for discharge of water from said vessel;
an anti-siphon valve having an air inlet for introducing water into said vessel;
an inlet valve for admitting water to said anti-siphon valve;
a dual flush valve for selectively releasing different quantities of water from said
10 vessel through the vessel outlet; and
a control valve for selecting one of the different quantities of water released by said dual flush valve.
2. The system according to claim 1 wherein said vessel is sized for containment
15 within a toilet tank and said control valve is disposed in fluid communication with said dual flush valve through flexible conduits to enable placement of said control valve anywhere on said toilet tank.
3. The system according to claim 1 wherein said control valve includes a pivotable
20 handle and two conduits interconnected with said dual flush valve and a mechanism for hydraulically selecting one quantity of water to be released by said dual flush valve upon pivoting said handle in one direction and hydraulically selecting another quantity of water to be released by said dual flush valve upon pivoting in an opposite direction.
- 25 4. The system according to claim 3 wherein the selection of water to be released by pivoting of said handle is reversed upon reversal of interconnection of the two conduits between said control valve and said dual flush valve.
5. The system according to claim 1 wherein said dual flush valve is disposed within
30 said vessel.

6. The system according to claim 2 wherein said dual flush valve is disposed within said vessel and said anti-siphon valve and inlet valve are attached to said vessel.

5 7. The system according to claim 6 wherein said inlet valve and said siphon valve are in fluid communication with one another through a conduit disposed exterior to said vessel.

8. The system according to claim 7 further comprising a fluidic connection between said control valve, said inlet valve and the vessel outlet for directing overflow water into said vessel outlet to reduce water accumulation in said toilet tank beneath said vessel.

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9. The system according to claim 7 wherein said dual flush valve includes a gland for removing water from between said vessel and said toilet tank upon release of water through said vessel outlet.

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10. The system according to claim 7 wherein said anti-siphon valve includes a valve for providing back flow protection to the inlet valve in order to prevent contaminated water from being pulled back into the inlet valve and a water supply connected thereto.